

## POLYNUCLEOTIDE ARRAY FABRICATION

## ABSTRACT OF THE DISCLOSURE

A method and apparatus for fabricating an array of polynucleotides on a substrate. A polynucleotide deposition system is operated to deposit an array of polynucleotide containing fluid droplets on the substrate and which, when dry, will yield polynucleotide containing spots of respective target locations and dimensions. Droplets deposited by the system are allowed to dry to yield actual spots. An image is captured of the substrate with dried actual spots. Dried actual spot locations or dimensions from the image, are compared with target locations or dimensions of polynucleotide containing spots. A signal indicative of the result of the comparison may be generated.